

Economy Power

TE Internal #: 1-1744037-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 5.08 mm [.

2 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder,

Economy Power

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles

Connector System: **Wire-to-Board**

Number of Positions: 10

Number of Rows: 1

Centerline (Pitch): 5.08 mm [.2 in]

PCB Mount Orientation: **Vertical****Features****Product Type Features**

Connector Shape	Rectangular
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Power Positions	10
Number of Loaded Positions	10
Number of Positions	10
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	3 μm [118.11 μin]
Contact Layout	Inline
Contact Underplating Material Thickness	1 μm [39.37 μin]
Contact Mating Area Plating Material Thickness	3 μm [118.11 μin]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon 66
Centerline (Pitch)	5.08 mm[.2 in]

Dimensions

Connector Length	49.68 mm[1.95 in]
Connector Height	9.4 mm[.37 in]

Connector Width	8.52 mm [.335 in]
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PCB Thickness (Recommended)	1.6 mm [.063 in]
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Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
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Operating Temperature Range	-30 - 105 °C [-22 - 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	500
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Packaging Method	Bag
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Product Compliance

For compliance documentation, visit the product page on TE.com

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240)
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	Candidate List Declared Against: JAN 2021 (211)
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	Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Wave solder capable to 240°C
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Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on

requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 1-1744416-0
10 POS EP II HSG, GLOW WIRE



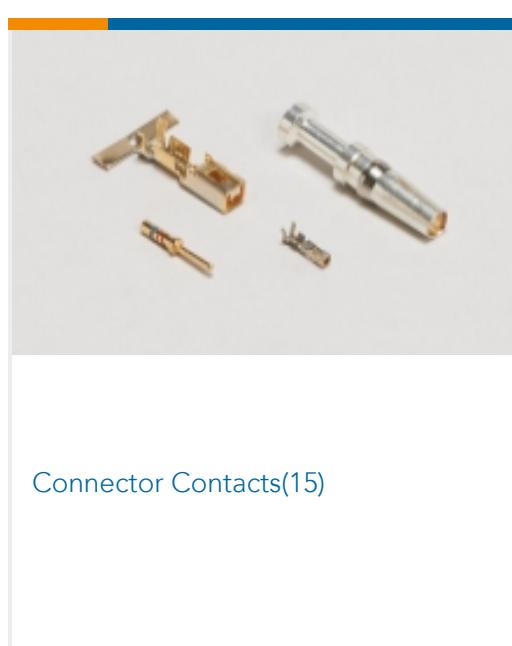
TE Part # 1-1744036-0
10P ECONOMY POWER .200 CL HSG



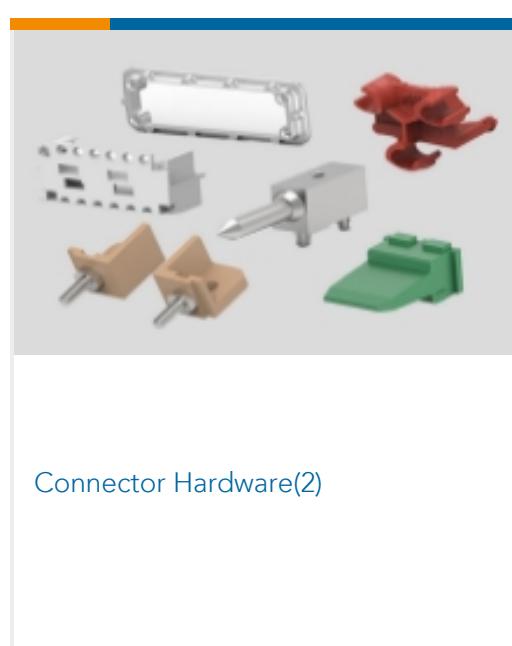
TE Part # 1-1744498-0
10P EP-II HOUSING, BLACK

Also in the Series

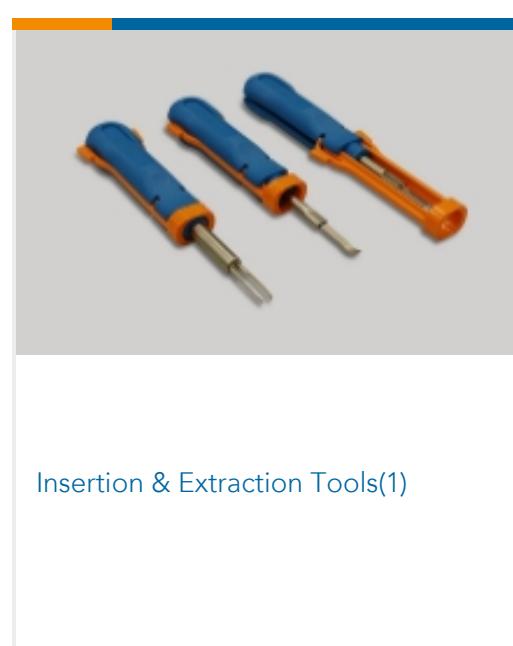
Economy Power



Connector Contacts(15)



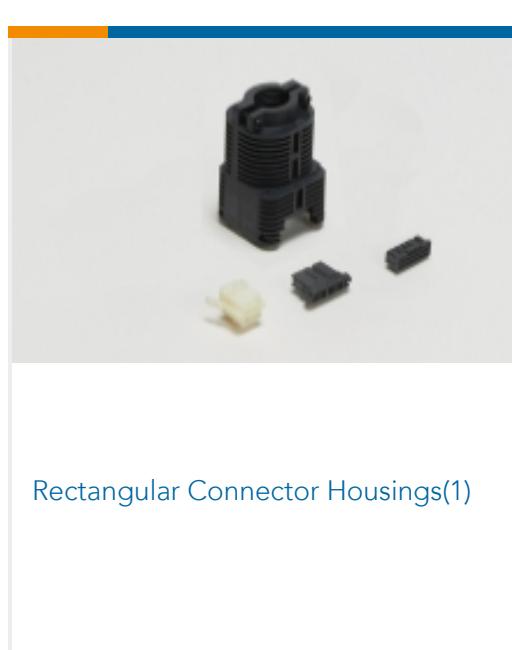
Connector Hardware(2)



Insertion & Extraction Tools(1)



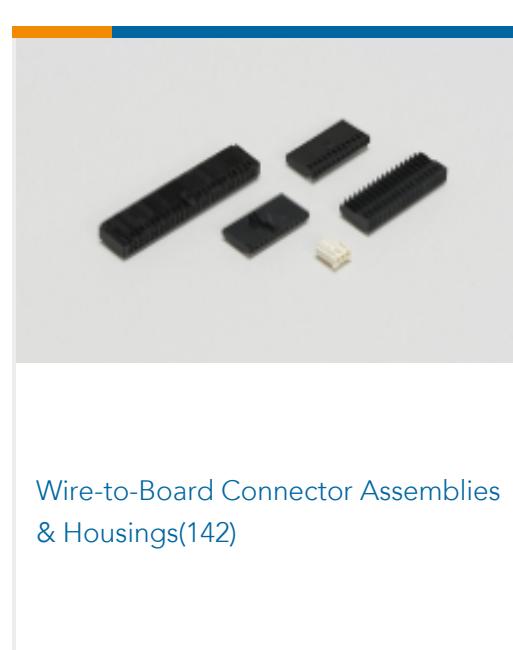
PCB Headers & Receptacles(399)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)



Wire-to-Board Connector Assemblies & Housings(142)

Customers Also Bought



TE Part # 2199230-3
M.2 0.5PITCH 4.2H KEY B 15U" AU



TE Part # 1744037-4
04P EC PWR.200 CL HDR ASSY VRT



TE Part # 2355148-3
STEEL,SHIELD,IPT,CONN HSG



TE Part # 2176237-5
CPF A 0603 22R 0.1% 25PPM 5K RL



Documents

Product Drawings

[10P EC PWR.200 CL HDR ASSY VRT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1744037-0_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744037-0_O.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1744037-0_O.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1-1773885-9 Economy Power Connectors](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

Japanese